

Specifications

Type

Compact digital still camera with built-in flash, 3.8x Optical/4x Digital (not w/ RAW)/15x Combined Zoom with Optical Image Stabilizer System

Type

10.0 Megapixel, 1/1.7-inch type Charge Coupled Device (CCD)

Total Pixels

Approx. 10.4 Megapixels

Effective Pixels

Approx. 10.0 Megapixels

Focal Length

6.0 (W)-22.5mm (T) f/2.0-4.9 (35mm equivalent: 28-105mm)

Digital Zoom

4x

Focusing Range

Auto: 2.0 in./5cm - infinity (W), 12 in./30cm-infinity (T);

Normal: 2.0 in./5cm - infinity, 12 in./30cm. - infinity (T);

Macro: 2.0 in. - 1.6 ft./5 - 50cm (W) 12 in. - 1.6 ft./ 30 - 50cm (T) ;

Manual Focus: 2.0 in. - infinity/5cm - infinity (W), 1.6 ft. - infinity/50cm - infinity (T)

Autofocus System

TTL Autofocus

Optical Viewfinder

N/A

LCD Monitor

3.0-inch TFT color with wide viewing angle

LCD Pixels

Approx. 461,000 pixels

LCD Coverage

100%

Maximum Aperture

f/2.0 (W) - f/4.9 (T)

Shutter Speed

1 - 1/1600 sec.

15-1/1600 sec. (Total shutter speed range)

Shutter speeds available in Tv and M:

15, 13, 10, 8, 6, 5, 4, 3.2, 2.5, 2, 1.6, 1.3, 1, 0.8, 0.6, 0.5, 0.4, 0.3, 1/4, 1/5, 1/6, 1/8, 1/10, 1/13, 1/15, 1/20, 1/25, 1/30, 1/40, 1/50, 1/60, 1/80, 1/100, 1/125, 1/160, 1/200, 1/250, 1/320, 1/400, 1/500, 1/640, 1/800, 1/1000, 1/1250, 1/1600 (Units: sec.)

Sensitivity

Auto, ISO

80/100/125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200 equivalent in P Mode

Light Metering Method

Evaluative*, Center-weighted average, Spot**

* Facial brightness is also evaluated in Face Detect AiAF

** Metering frame is fixed to the center/linked to AF frame

Exposure Control Method

Program AE, i-Contrast, Manual; AE Lock, Program Shift, Safety Shift, Auto ISO Shift

Exposure Compensation

+/-2 stops in 1/3-stop increments

White Balance Control

Auto*, Preset (Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Flash, Underwater), Custom

* Facial color is evaluated in Face AiAF (Face Detect WB)



Built-in Flash

Auto, Auto w/ Red-eye Reduction, Flash On, Flash On w/ Red-eye Reduction, Flash Off; FE lock, Safety FE, Slow Synchro

Flash Range

1.6-21 ft./50cm-6.5m (W), 3.0 - 9.8 ft./90cm - 3.0cm (T) (when sensitivity is set to ISO Auto)

Recycling Time

10 sec. or less (battery voltage=3.7V)

Flash Exposure Compensation

+/-2 stops in 1/3-stop increments

Shooting Modes

Auto, P, Av, Tv, M, C, Low Light, Special Scene (Portrait, Landscape, Kids&Pets, Smart Shutter*, Super Vivid, Poster Effect, Color Accent, Color Swap, High Dynamic Range, Nostalgic, Fish-eye Effect, Miniature Effect, Beach, Underwater, Foliage, Snow, Fireworks, Stitch Assist), Movie (Standard, Miniature Effect, Color Accent, Color Swap).

* Smile, Wink Self-timer, Face Self-timer

Photo Effects

My Colors

My Colors Off, Vivid, Vivid Blue, Vivid Green, Vivid Red, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, Custom

Self Timer

Custom*

* Delay time (0 - 15 sec. (in one-second increments), 20/25/30 sec.) and number of shots

((1 - 10 shots (in one-shot increments))) can be specified.

Wireless Control

Not available

Continuous Shooting

Normal: Approx. 1.9 shots/sec. (when shooting in P mode), Approx. 3.9 shots/sec. (when shooting in Low Light mode);

AF: Approx. 0.7 shots/sec. (when shooting in P mode), Approx. 1.0 shots/sec. (when shooting in Low Light mode);

LV: Approx. 0.8 shots/sec. (when shooting in P mode), Approx. 1.1 shots/sec. (when shooting in Low Light mode)

Storage Media

SD/SDHC Memory Card, SDXC Memory Card, MultiMediaCard, MMCplus Card, HC MMCplus Card

File Format

Design rule for camera file system, DPOF Version 1.1

Image Recording Format

Normal, Fine

JPEG Compression Mode
Still Image: Exif 2.3 (JPEG)

RAW (CR2 (Canon Original));

Video: MOV (Image: H.264; Audio: Linear PCM (Stereo))

Number of Recording Pixels
Still Image:

16:9: Large: 3648 x 2048, Medium 1: 2816 x 1584, Medium 2: 1920 x 1080, Small: 640 x 360

3:2: Large: 3648 x 2432, Medium 1: 2816 x 1880, Medium 2: 1600 x 1064, Small: 640 x 424;

4:3: Large: 3648 x 2736, Medium 1: 2816 x 2112, Medium 2: 1600 x 1200, Small: 640 x 480, RAW: 3648 x 2736 (Fixed to 1824 x 1368 when in Low Light)

1:1: Large: 2736 x 2736, Medium 1: 2112 x 2112, Medium 2: 1200 x 1200, Small: 480 x 480

4:5: Large: 2192 x 2736, Medium 1: 1696 x 2112, Medium 2: 960 x 1200, Small: 384 x 480

Video: Standard, Color Accent, Color Swap: 1280 x 720 (24 fps*1), 640 x 480 (30 fps*2), 320 x 240 (30 fps*2);

Miniature Effect: 1280 x 720 (Shooting: 6 fps/3 fps/1.5 fps; Playback: 30 fps*2), 640 x 480 (Shooting: 6 fps/3 fps/1.5 fps, Playback: 30 fps*2)

*1 Actual frame rate is 23.976 fps.

*2 Actual frame rate is 29.97 fps.

Image data

		Large (L)		Medium 1 (M1)		Medium 2 (M2)		Small (S)	
		F	N	F	N	F	N	F	N
4:3	File Size (KB)	2,565	1,226	1,620	780	558	278	150	84
	4GB	1,471	3,017	2,320	4,641	6,352	12,069	20,116	30,174
	16GB	6,026	12,354	9,503	19,007	26,010	49,420	82,367	123,550
16:9	File Size (KB)	1,920	918	1,210	585	604	300	113	63
	4GB	1,978	4,022	3,094	6,034	6,034	10,972	24,139	40,233
	16GB	8,101	16,473	12,671	24,709	24,709	44,927	98,840	164,734
3:2	File Size (KB)	2,280	1,090	1,436	694	496	246	133	75
	4GB	1,652	3,352	2,623	5,247	7,099	13,410	20,116	30,174
	16GB	6,769	13,727	10,743	21,486	29,070	54,911	82,367	123,550
1:1	File Size (KB)	1,924	920	1,210	585	420	208	113	63
	4GB	1,946	4,022	3,094	6,034	8,046	15,087	24,139	40,233
	16GB	7,970	16,473	12,671	24,709	32,946	61,775	98,840	164,734
4:5	File Size (KB)	1,541	737	972	470	336	167	90	51
	4GB	2,413	4,827	3,771	7,543	10,057	17,242	30,174	40233
	16GB	9,883	19,767	15,443	30,887	41,183	70,600	123,550	164,734

		Low Light (L)		RAW	
		F	N	RAW	+ JPEG
4:3	File Size (KB)	706	353	14,297	16,862
	4GB	5,028	9,284	268	227
	16GB	20,591	38,015	1,102	935

Movie data

	Standard, Color Accent, Color Swap		
	HD: 1280 x 720	640 x 480	320 x 240
	24 fps	30 fps	30 fps
Video size (KB/sec.)	2,521	1,416	495
4GB	25 min. 08 sec.	43 min. 43 sec.	1 hr. 58 min. 19 sec.
16GB	1 hr. 42 min. 57 sec.	2 hr. 59 min. 03 sec.	8 hr. 04 min. 30 sec.

	Miniature Effect					
	HD: 1280 x 720			640 x 480		
	5x	10x	20x	5x	10x	20x
	6 fps	3 fps	1.5 fps	6 fps	3 fps	1.5 fps
Video size (KB/sec.)	573	287	143	246	123	61
4GB	1 hr. 45 min. 52 sec.	3 hr. 21 min. 09 sec.	5 hr. 35 min. 16 sec.	3 hr. 43 min. 30 sec.	6 hr. 42 min. 20 sec.	11 hr. 10 min. 33 sec.
16GB	7 hr. 13 min. 30 sec.	13 hr. 43 min. 40 sec.	22 hr. 52 min. 47 sec.	15 hr. 15 min. 11 sec.	27 hr. 27 min. 20 sec.	45 hr. 45 min. 35 sec.

Note: N=Normal F=Fine
Storage Capacity varies depending on camera settings. This data is estimated from Canon's standard shooting conditions. Figures for Movie Mode represent total capacity of the particular media.

Playback Modes File

Still Image: Single, Magnification (approx. 2x-10x), Jump, Auto Rotate, Rotate, Resume, My Category, Transition Effects, Histogram, Index (4-130 thumbnails), Over Exposure Warning, Slide Show, Red-eye Correction, Trimming, Resize, Image Inspection Tool, i-Contrast;

Video: Normal Playback, Special Playback, Editing, Auto Rotate, Resume

Erase Modes

Still Image: single image, all images

Movie: part of movie, all of movie

Computer Interface

USB 2.0 Hi-Speed (mini-B jack)

Video Out

NTSC/PAL

Audio Out

Stereo

Other

Memory card slot; direct connection to Canon and SELPHY Compact Photo Printers, PIXMA Photo Printers and PictBridge-compatible printers via camera's USB 2.0 Hi-Speed cable

Power Supply

1. Rechargeable Battery Pack NB-6L
2. Compact Power Adapter CA-DC10 (optional) Still Image: approx. 200 shots* Approx. 5 hours

Power Source

1. Rechargeable Battery Pack NB-6L
2. Compact Power Adapter CA-DC10 (optional)

Shooting Capacity

Still Image: approx. 200 shots*

Playback Time

Approx. 5 hours

Operating Temperature

32-104°F/0-40°C

Operating Humidity

10-90%

Dimensions (W x H x D)

3.93 x 2.30 x 1.16 in. (99.8 x 58.4 x 29.5mm)

CIPA compliant

Weight

Approx. 6.00 oz. / 170g (camera body only)

26 display languages provided (English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Simplified/Traditional Chinese, Japanese, Russian, Portuguese, Korean, Greek, Polish, Czech, Hungarian, Turkish, Thai, Arabic, Romanian, Ukrainian, Farsi)